

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/000824

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> Int. CL <sup>7</sup> : E04C 3/04, 3/07, 3/32 According to International Patent Classification (IPC) or to both national classification and IPC				
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI: IPC B21D 5/-, E04C 3/- E04B 1/-, F21/IC & keywords; truss, beam, girder, column, hollow, open, void, cavity, flange, lip, tip, ratio, proportion, rolled, formed and similar terms				
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	EP 550578 B1 (TUBE TECHNOLOGY PTY LTD) 2 April 1997 See Fig 22(a)	1-12, 15-21, 23-29		
A	Derwent Abstract Accession No. 91-071965/10, Class P52, SU 1558529-A (UKR METALS RES INST) 23 April 1990			
A	DT 2459421 A1 (GALLER KG) 24 June 1976			
A	WO 1994/023149 A1 (BASS) 13 October 1994			
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex				
<table border="0"> <tr> <td>           * Special categories of cited documents:            "A" document defining the general state of the art which is not considered to be of particular relevance            "E" earlier application or patent but published on or after the international filing date            "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)            "O" document referring to an oral disclosure, use, exhibition or other means            "P" document published prior to the international filing date but later than the priority date claimed         </td> <td>           "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention            "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone            "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art            "&amp;" document member of the same patent family         </td> </tr> </table>			* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family			
Date of the actual completion of the international search 15 July 2004		Date of mailing of the international search report 22 JUL 2004		
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929		Authorized officer  <b>VINCE BAGUSAUSKAS</b> Telephone No : (02) 6283 2110		

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2261248 A (ABRU ALUMINIUM LIMITED) 12 May 1993	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2004/000824

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
EP 0550578		AU 85399/91	BR 9106902	CA 2092810	
		FI 931313	NO 931121	SG 63586	
		US 5501053	WO 9205893		
SU 1558529		NONE			
DT 2459421		NONE			
WO 9423149		AU 53560/96	AU 66992/94	BR 9405803	
		CA 2159492	CZ 9502513	EP 0692053	
		HU 72379	NZ 265766	PL 320748	
		SK 122095	US 5499480	US 5664388	
		US 5692353	US 5842318	US 5904025	
		WO 9630606	ZA 9602401		
GB 2261248		EP 0540325			
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.					
END OF ANNEX					